

# INTERNATIONAL SEARCH REPORT

International Application No  
/US2004/039084

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H05K7/10 H01R13/24

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01R G01R H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/023140 A1 (SAIJO TAKASHI ET AL) 20 September 2001 (2001-09-20) abstract page 1, paragraph 12-15 page 3, paragraph 47-59; figures 1,3,4,6A-D	1-15
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 13, 30 November 1998 (1998-11-30) -& JP 10 214649 A (YOKOWO CO LTD), 11 August 1998 (1998-08-11) abstract; figures 1,2,11 ----- -/--	1-7,11, 12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

18 March 2005

Date of mailing of the international search report

30/03/2005

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Kardinal, I

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN vol. 2000, no. 25, 12 April 2001 (2001-04-12) -&amp; JP 2001 208793 A (NEC YAMAGUCHI LTD), 3 August 2001 (2001-08-03) abstract; figures 1a-c,3 -----</p>	1,5-7
A	<p>EP 1 172 658 A (INTERCONNECT DEVICES INC) 16 January 2002 (2002-01-16) abstract column 3, line 46 - column 4, line 44; figures 4-7 -----</p>	1-15

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Information on patent family members

International Application No

US2004/039084

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2001023140	A1	20-09-2001	JP 2001267029 A	28-09-2001
JP 10214649	A	11-08-1998	NONE	
JP 2001208793	A	03-08-2001	NONE	
EP 1172658	A	16-01-2002	US 6424166 B1	23-07-2002
			EP 1172658 A2	16-01-2002